

WHAT IS CLAIMED IS:

1. A reproducing apparatus, comprising:  
a plurality of heads;  
a reproducer which reproduces signals from a recording medium with the plurality of heads;  
a generator which generates control data for controlling the reproducing means; and  
a transmitter which transmits control data generated by the generator to the reproducer; wherein:  
the control data comprise first data and second data.
2. The reproducing apparatus according to Claim 1, wherein the first data include switching data for controlling the switching over among the plurality of heads.
3. The reproducing apparatus according to Claim 2, wherein the second data include data for controlling an amplifier gain, data for controlling a filter frequency or data for compensating for noise.
4. The reproducing apparatus according to Claim 1, wherein a sequence is prescribed for transmission of the first and second data by the transmitter.

5. The reproducing apparatus according to Claim 1, wherein the transmitter transmits the first data before the second data.

6. The reproducing apparatus according to Claim 1, wherein the transmitter gives priority to the first data over the second data in transmission.

7. The reproducing apparatus according to Claim 1, wherein the transmitter transmits the first data every time switching over among the plurality of heads takes place.

8. The reproducing apparatus according to Claim 7, wherein the transmitter transmits the second data only when the reproducing apparatus is to be started up.

9. The reproducing apparatus according to Claim 1, wherein the plurality of heads are magneto resistive heads.

10. The reproducing apparatus according to Claim 1, wherein the reproducer is a regenerative integrated circuit.

11. A recording/reproducing apparatus provided with a plurality of heads comprising:

a recording/reproducing means for recording/reproducing signals onto/from a recording medium with the plurality of heads;

a generating means for generating control data for controlling the recording/reproducing means; and

a transmitting means for transmitting control data generated by the generating means to the recording/reproducing means, wherein:

the control data comprise first data and second data, the first data include switching data for controlling the switching over among the plurality of heads, and the first data are transmitted before the second data.

12. A rotary magnetic head type apparatus, comprising:

a rotary drum mounted with a plurality of magneto resistive heads;

a stationary drum opposite to the rotary drum; and

a rotary transformer for transmitting signals between the rotary drum and the stationary drum, wherein:

the rotary drum is connected to the plurality of magneto resistive heads and provided with a regenerative integrated circuit having a current supply circuit and a regenerative amplifier, the operation of the regenerative integrated circuit is controlled with digital data;

a control signal generator for generating control signals for controlling the regenerative integrated circuit is connected to the stationary drum;

the rotary drum is provided with a decoder circuit for discriminating data of the control signals;

the control signals are transmitted from the stationary drum side to the rotary drum side by the rotary transformer in every period of rotation of the rotary drum;

the operation of the regenerative integrated circuit is controlled with digital data outputted from the decoder circuit;

the digital data include head switching signal data for switching over among the plurality of magneto resistive heads, and control signal data for controlling the head currents of the magneto resistive heads; and

the head switching signal data and control signal data are first transmitted to the regenerative integrated circuit.

13. The rotary magnetic head type apparatus according to Claim 12, wherein:

the rotary drum is provided with a plurality of recording heads for recording information signals on the magnetic tape and recording integrated circuits for supplying currents needed for the recording operation of the

plurality of recording heads;

the control signal generator generates control signals for controlling the recording integrated circuit;

the operation of the recording integrated circuit is controlled with digital data outputted from the decoder circuit;

the digital data include head switching signal data for switching over among the plurality of recording heads and recording current control signal data for controlling the amperages of the recording currents of the recording heads; and

the head switching signal data and recording current control signal data are first transmitted to the recording integrated circuit.

14. The rotary magnetic head type apparatus according to Claim 12, wherein the rotary drum is provided with an oscillator for converting the output signals of the decoder circuit into digital data.

15. The rotary magnetic head type apparatus according to Claim 12, wherein:

the plurality of magneto resistive heads are fitted pair by pair in opposite positions at 180° to each other on the rotary drum; and

the digital data are transmitted to the regenerative integrated circuit in every 180° period in which the pair of magneto resistive heads come into contact with the magnetic tape.

16. The rotary magnetic head type apparatus according to Claim 13, wherein:

the plurality of recording heads are fitted pair by pair in opposite positions at 180° to each other on the rotary drum; and

the digital data are transmitted to the recording integrated circuit in every 180° period in which the pair of recording heads come into contact with the magnetic tape.

17. A rotary magnetic head type apparatus, comprising:

a rotary drum mounted with a plurality of magneto resistive heads;

a stationary drum opposite to the rotary drum;

a rotary transformer for transmitting signals between the rotary drum and the stationary drum; and

a control signal generator, connected to the stationary drum, for generating control signals for controlling the amperages of the operating currents of the magneto resistive heads,

wherein:

the rotary drum is provided with a decoder circuit for discriminating data of the control signals and a current supply circuit for setting and supplying the operating current of each magneto resistive head according to the output of the decoder circuit; and

the control signals are transmitted from the stationary drum side to the rotary drum side by the rotary transformer.

18. The rotary magnetic head type apparatus according to Claim 17, wherein:

at least one pair out of the plurality of magnetic heads are fitted in opposite positions at 180° to each other on the rotary drum; and

the current supply circuit sets the operating current every period in which the pair of heads come into contact with the magnetic tape.